JOINT MESSAGEFORM

SECURITY CLASSIFICATION [redacted]

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

P&D Case Files (1-7)

LV

PRECEDENCE	TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
	BOOK	MULTI	SINGLE			
ACTION						
INFO						

SPECIAL INSTRUCTIONS

FROM:
6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

TO:
SPACE SYSTEMS DIV LOSA CALIF
VWZD-5-1-300

SUBJECT: 8 HOUR FLASH REPORT

1. A VEHICLE CONSISTING OF SLV-2 BOOSTER NO. 356 AND S-01 ORBITAL STAGE NO. 1136 WAS LAUNCHED ON THE FIRST ATTEMPT FROM VAFB COMPLEX 75-3 PAD 4 AT 1404:32.08 PST ON 5 NOVEMBER 1962. THE PRIMARY LAUNCH OBJECTIVE, TO PLACE THE S-01 SATELLITE WITH PAYLOAD IN A NEAR-POLAR ORBIT, WAS ACCOMPLISHED. THE VTS RADAR PLOTBOARD INDICATED THE FOLLOWING APPROXIMATE INJECTION CONDITIONS: ALTITUDE: 130 STATUTE MILES; PAD RERERENCED VELOCITY, 25350 FPS: ELEVATION FLIGHT PATH ANGLE, APPROXIMATELY 0 DEG; AZIMUTH FLIGHT PATH ANGLE, APPROXIMATELY 165 DEG. THE ORBITAL PERIOD ATTAINED APPEARS TO BE NEAR-NOMINAL. BASED ON THE FIRST PASS ACQUISITION.

By Authority of [redacted]
Date 1 APR 1966
CLASSIFICATION CHANGED TO [redacted]

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS
DOD DIRECTIVE 5200.10

DATE	TIME
MONTH	YEAR

WRITER

SYMBOL

TYPED NAME AND TITLE (Signature, if required)
C. S. WALLER, LT. COL. USAF

PHONE 866-5831 | PAGE NR. 1 | NR. OF PAGES

SECURITY CLASS [redacted]

RELEASER

SIGNATURE

TYPED (or stamped) NAME AND TITLE

DD FORM 1 MAY 55 173 REPLACES DD FORM 173, 1 OCT 49, WHICH WILL BE USED UNTIL EXHAUSTED

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FROM: [redacted]

6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

PRELIMINARY VALUES OF SIGNIFICANT LAUNCH EVENTS ARE:

LIFTOFF (2304:32.06 PST)	ZERO	
STEERING INITIATED	92.06	SEC
MECO	143.90	SEC (PROPELLANT DEPLETION)
VECO	154.85	SEC
ENABLE D1 AND D2 (EZ)	151.04	SEC
D1 ON	153.76	SEC
D1 OFF	156.56	SEC
D2 ON	156.89	SEC
D2 OFF	160.41	SEC
SEPARATION COMMAND (S3)	161.20	SEC
SEPARATION COMPLETE	163.7	SEC
ULLAGE ROCKET IGNITION	179.04	SEC
S-01 ENGINE IGNITION	191.07 [redacted]	SEC
S-01 THRUST ATTAINMENT (90 PER CENT PC)	192.33	SEC
S-01 BURNOUT (70 PER CENT PC)	439.42	SEC
S-01 LINK 2 TELEMETRY FADE	N/A	
VTS VERLORT RADAR FADE	455	SEC
VTS ACQUISITION BEACON FADE	481	SEC
VTS TELEMETRY DATA FADE (LINK 1)	487	SEC

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	2		[redacted]	

[redacted]

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JOINT MESSAGEFORM - CONTINUATION SHEET | SECURITY CLASSIFICATION [redacted]

FROM:

6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF. [redacted]

II. ALL BOOSTER SUBSYSTEMS PERFORMED SATISFACTORILY AND, IN RESPONSE TO GROUND GUIDANCE SYSTEM COMMANDS, PROVIDED ACCEPTABLE COAST APOGEE CONDITIONS. MAIN ENGINE SHUTDOWN OCCURRED FROM PROPELLANT DEPLETION RESULTING IN A SLIGHT DEFICIENCY IN COAST APOGEE VELOCITY AS DEFINED BELOW. THIS SMALL ERROR IS WELL WITHIN THE EXPECTED RANGE OF SYSTEM TOLERANCES.

GROUND GUIDANCE SYSTEM DATA INDICATED THAT BOOSTER COAST APOGEE ALTITUDE WAS 106.43 NM (NOMINAL 106.55 NM) AND THE VELOCITY WAS 10,025 FPS (NOMINAL: 10,042 FPS).

III. ALL S-01 VEHICLE SUBSYSTEMS PERFORMED SATISFACTORILY DURING LAUNCH TO PROVIDE THE PROPER TRAJECTORY CONDITIONS AT ENGINE SHUTDOWN.

AT THE TIME OF SIGNAL FADE AT VTS, ALL VEHICLE SUBSYSTEMS WERE SEQUENCING NORMALLY AND THE ORBITAL TIMER WAS SET AT 5439 SEC (STEP 19), IN THE RESET-ON POSITION, IN THE INCREASE MODE, AND ALTERNATE RE-ENTRY DISARM STATE.

IV. AEROSPACE GROUND EQUIPMENT (AGE)

AEROSPACE GROUND EQUIPMENT FUNCTIONED SATISFACTORILY TO SUPPORT CHECKOUT AND LAUNCH OF THE

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FROM [redacted]

6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

VEHICLE. WITH THE EXCEPTION OF A SLOWER THAN NORMAL RETRACTION OF THE DAC TRANSPORTER - ERECTOR, NO AGE PROBLEMS WERE ENCOUNTERED.

V. COUNTDOWN

VEHICLE 356/1136 WAS LAUNCHED ON THE FIRST ATTEMPT FROM C COMPLEX 75-3, PAD 4. THE COUNTDOWN WAS INITIATED ON SCHEDULE AT 0630 PST AND PROCEEDED WITHOUT INCIDENT THROUGH THE TASK COUNTDOWN. TWO HOLDS TOTALLING 4 MIN WERE IMPOSED DURING THE TERMINAL COUNTDOWN.

HOLD NO. 1 WAS IMPOSED IN PHASE V AT 1357 FOR 2 MIN BECAUSE THE TRANSPORTER-ERECTOR WAS RETRACTING SLOWER THAN NORMAL. THE COUNTDOWN WAS RECYCLED TO 95 PER CENT LOX STATUS.

HOLD NO. 2 WAS IMPOSED IN PHASE V AT 1360 FOR 2 MIN TO ALLOW ADDITIONAL TIME FOR THE TRANSPORTER-ERECTOR TO REACH "RETRACT" POSITION. THE COUNTDOWN WAS RECYCLED TO 95 PER CENT LOX STATUS AND PROCEEDED TO NORMAL LIFTOFF.

VI. PAD DAMAGE

THERE WAS A SMALL [redacted] FIRE IN THE MAST NEAR THE LAUNCHER DEFLECTOR PLATE CAUSING DAMAGE TO ELECTRICAL INSULATION IN THAT AREA. ALSO, THE SECTIONS OF LMSC

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JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION [redacted]

FROM:

6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

AIR CONDITIONING DUCTS AT THE BASE OF THE MAST WERE DESTROYED BY ENGINE BLAST. PAD DAMAGE IS NOT CONSIDERED EXCESSIVE AND RECOVERY CAN BE EFFECTED WITHIN THE SCHEDULED TIME.

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